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IN THE UNITED STATES OF AMERICA  
PATENT AND TRADEMARK OFFICE

**APPLICANT:** Dawson, et al

**EXAMINER:** Ho, Thomas

**SERIAL NO.:** 09/931,370

**ART UNIT:** 3677

**FILING DATE:** August 16, 2001

**DOCKET NO:** 16409/93578-00

**TITLE:** An Improved Magnetic Seal

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

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**RESPONSE TO OFFICE ACTION**

FEB 27 2003

Sir:

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In the Office Action mailed on July 29, 2002, claims 1-11 are pending. The examiner has rejected claim 8 on the basis of 35 USC §112, and on the on the basis of 35 USC §103(b): claims 1,3-5, 7, 9-11 as obvious in view of the combination of Dawson and Murphy; claim 2 as obvious in light of combination of Dawson and Orlowske; claim 6 as obvious in light of the combination of Dawson and Young; and claim 8 as obvious in light of the combination of Dawson, Young and Pelstring. In light of the following amendments and argument, it is respectfully requested that these rejections be withdrawn.

**AMENDMENT**

Please amend claim 8 as follows:

8(Once Amended). A shaft seal according to claim 6 wherein each of said at least one [plurality of] magnet[s] is positioned in a cavity on said rotor, each [of] said cavity [cavities] having an epoxy channel having a bottom which opens into said cavity, each [of] said epoxy channel[s] further having a top portion, where said top portion is of larger cross-sectional area than said

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